

# Recombinant Human LHCGR protein, His-tagged

**Cat. No.** LHCGR-023H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LHCGR protein(NP_000224)(49-219 aa), fused to His tag, was expressed in E. coli.                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 49-219 aa                                                                                                                                                                                                                              |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |
| <b>AA Sequence</b>      | AGLTRLSLAYLPVKVIPSQAFRGLNEVIKIEISQIDSLERIEANAFDNLNLSEILIQNTK<br>NLRVIEPGAFINLPRLKYLSICNTGIRKFPDVTKVFSSESNFILICDNLHITTIPGNAFQ<br>GMNNEVTLKLYGNGFEEVQSHAFNGTTLTSLELKENVHLEKMHNGAFR                                                       |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                               |
| <b>Storage</b>          | Aliquot and store at -20°C to -80°C for up to 6 months. Avoid repeat freeze-thaw cycles.                                                                                                                                               |
| <b>Concentration</b>    | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |

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**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LHCGR luteinizing hormone/choriogonadotropin receptor [ Homo sapiens ]                                                                                                                                                                                                                |
| <b>Official Symbol</b> | LHCGR                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>        | LHCGR; luteinizing hormone/choriogonadotropin receptor; HHG, hypergonadotropic hypogonadism; lutropin-choriogonadotropic hormone receptor; LCGR; LGR2; LHR; ULG5; hypergonadotropic hypogonadism; lutropin/choriogonadotropin receptor; HHG; LHRHR; LSH-R; LH/CGR; LH/CG-R; FLJ41504; |
| <b>Gene ID</b>         | 3973                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_000233                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_000224                                                                                                                                                                                                                                                                             |
| <b>MIM</b>             | 152790                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>      | P22888                                                                                                                                                                                                                                                                                |

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